



PCE(F)-PS SERIES

HYDRONIC 4 PIPE CASSETTES

Standard Features:

Cooling capacity from 3 kW to 10 kW in 8 sizes

Single Fan construction (panel sizes: 650mm x 650mm, 850mm x 850mm, 1,050mm x 1,050mm)

Sauermann condensate drain pump with float switch

Microprocessor Control with:

- *Master & Slave Control*
- *Status Indication to Boiler and Chiller*
- *Auto Restart*
- *Valve Control*

Remote Control Handset



Options:

Wired LCD Wall Pad with daily operation cycle timer

Fresh Air Intake Connection

Branch Duct Connections

3M Filtrete Antisepsis Filter

Pre-assembled valve kits



4-PIPE HYDRONIC CASSETTES

STANDARD SPECIFICATIONS

PCE&PCF SINGLE FAN - PS SERIES

Model		PCE-06	PCE-08	PCF-09	PCF-10	PCF-12	PCF-16	PCF-18	PCF-20	
Nominal airflow (H / M / L)	m ³ / min	10.4 / 9.4 / 7.8	12.8 / 10.4 / 8.6	14.2 / 10.8 / 8.3	17 / 13 / 10	22.67 / 17.5 / 13.33	28.33 / 21.83 / 16.83	34 / 26.17 / 20.17	39.67 / 30.5 / 23.5	
Nominal cooling capacity (H / M / L)*	kW	3 / 2.8 / 2.4	4 / 3.2 / 2.7	4.5 / 3.6 / 2.9	5.5 / 4.2 / 3.3	6.5 / 4.7 / 3.7	7.5 / 6.2 / 5	9 / 6.8 / 5.5	10 / 7.3 / 5.9	
Nominal sensible cooling capacity (H / M / L)	kW	2.3 / 2 / 1.8	2.4 / 2.1 / 1.9	3.1 / 2.6 / 2.2	3.5 / 3 / 2.5	4.2 / 3.6 / 3	5.6 / 4.8 / 4	6.3 / 5.4 / 4.6	7 / 6 / 5.1	
Nominal heating capacity (H / M / L)**	kW	3.2 / 2.8 / 2.5	3.4 / 3 / 2.7	4.4 / 3.7 / 3.2	4.8 / 4.1 / 3.5	5.7 / 4.9 / 4.2	7.95 / 6.8 / 5.85	8.8 / 7.6 / 6.5	9.6 / 8.3 / 7.1	
Nominal heating capacity (H / M / L)***	Kw	1.55 / 1.4 / 1.3	1.65 / 1.5 / 1.3	2.2 / 1.9 / 1.6	2.5 / 2.1 / 1.8	2.9 / 2.5 / 2.1	4.1 / 3.6 / 3.1	4.6 / 3.95 / 3.4	4.95 / 4.27 / 3.37	
Noise level (L / M / H) @ 1m	dB (A)	35 / 41 / 43	37 / 43 / 46	33 / 35 / 37	35 / 37 / 42	42 / 45 / 50	43 / 46 / 51	40 / 46 / 52	42 / 47 / 53	
Power supply	V / Ph / Hz	230 / 1 / 50								
Number of fan		1	1	1	1	1	1	1	1	
Fan motor power	W	54.2	70.7	89	76.6	101.8	136.5	193	241	
Fan motor running current	A	0.241	0.32	0.407	0.348	0.44	0.589	0.844	1.079	
Fan motor starting current	A	0.759	0.792	0.915	1.1	1.31	1.956	2.532	3.237	
Operation control		Remote Control Handset & Wired Wall Pad								
Cooling water flow rate	L / h	610	700	846	980	1088	1452	1600	1688	
Heating water flow rate	L / h	300	315	408	453	533	748	830	905	
Cooling water pressure drop	kPa	9.7	12.4	23.7	25.4	26.8	23.5	25.4	28.5	
Heating water pressure drop	kPa	1.1	1.2	2.5	3.1	4.27	10.4	12.6	14.7	
Cooling water content	L	0.9015	0.9015	1.262	1.262	1.262	1.262	1.262	1.262	
Heating water content	L	0.366	0.366	0.7719	0.7719	0.7719	0.7719	0.7719	0.7719	
Cond. drain connection I.D.	mm (in)	19.05(3/4)								
Dimensions	L	mm	570	570	730	730	730	930	930	
	W	mm	570	570	730	730	730	930	930	
	H	mm	290	290	290	290	290	290	290	
Panel dimension	mm	650×650×28			850×850×28			1050×1050×28		
Gross weight	kg	33	33	40	40	40	55	55	55	
Connection method		Socket (Threaded Female)								
Water connection	In	mm (in)	19.05(3/4)							
	Out	mm (in)	19.05(3/4)							

*Cooling : 27°C db/19°C wb entering air temperature,7°C entering water and 12°C leaving water temperature with water flow rates as above.

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**Heating : 20°C db entering air temperature ,70°C entering water temperature and 60°C leaving water temperature with water flow rates same as for the cooling test.

***Heating : 20°C db entering air temperature, 50°C entering water temperature and 40°C leaving water temperature with water flow rates same as for the cooling test.



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